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Subj: AN/USM-484 HYBRID TEST SYSTEM, NAVY TRAINING SYSTEMS PLAN
(NTSP), N88-NTSP-A-50-8708C/A

Ref: (a) OPNAVINST 1500.76

1. Subject NTSP is approved and forwarded per reference (a).
2. Subsequent NTSP review will examine both the effectiveness and efficiency of training outlined in this document.
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APPROVED

NAVY TRAINING SYSTEM PLAN

FOR THE

AN/USM-484 HYBRID TEST SYSTEM

N88-NTSP-A-50-8708C/A

APRIL 1999

EXECUTIVE SUMMARY

The AN/USM-484 Hybrid Test System (HTS) provides intermediate and depot level maintenance facilities with the capability to fault isolate Weapon Replaceable Assemblies (WRA) and Shop Replaceable Assemblies (SRA) associated with complex avionics packages in modern aircraft weapon systems. Fault isolation is accomplished with the use of Test Program Sets developed and delivered to the Navy by individual WRA and SRA manufacturers. The HTS is a mature system no longer in production; and is in the Production, Deployment, and Operational Support phase of the Weapon System Acquisition Process.

The HTS is a general purpose Automatic Test Equipment system used in support of the AV-8B, EA-6B, F-14, F/A-18, S-3B, and SH-60B Aircraft and for off-line maintenance of the AN/USM-470(V)1 Avionics Test Set. It augments the AN/ASM-175 Electronics Module Test Console in supporting specific EA-6B and F-14 Aircraft systems. In October 1997, a small portion of the HTS workload was off-loaded to the AN/USM-636(V) Consolidated Automated Support System (CASS) with the phase out of the AN/USM-470(V)1. HTS maintenance support of the AV-8B will begin to off-load to CASS in August 1999. Navy-wide, HTS will begin phase out and replacement by CASS in Fiscal Year (FY)04.

The HTS is operated and maintained at Navy and Marine Corps Intermediate Maintenance Activities (IMA) and depot level maintenance facilities. Intermediate level maintenance personnel perform organizational level maintenance (on-equipment) and intermediate level maintenance (off-equipment), including identification and replacement of faulty SRAs within the test set, to maintain the HTS in an operational status. Depot level maintenance consists of repair, calibration, and overhaul of faulty SRAs by the Naval Aviation Depots at Cherry Point, North Carolina; Jacksonville, Florida; and North Island, California.

The manpower needed to support the HTS is based on the number of stations and maintenance requirements per site. Navy personnel from the Aviation Electronics Technician rating with Navy Enlisted Classifications 6688, AN/USM-484 HTS IMA Technician, and 6689 AN/USM-484 HTS Advanced IMA Technician, and Marine Corps personnel with Military Occupational Specialty 6465, HTS Technician, IMA, operate and maintain this test station.

Initial training for the HTS was conducted by the contractor and completed in July 1984. Follow-on training is currently conducted at Maintenance Training Unit (MTU) 1038, Naval Air Maintenance Training Group Detachment (NAMTRAGRU DET) Naval Air Station (NAS) Lemoore, California. MTU 3010, NAMTRAGRU DET NAS Oceana, Virginia, will begin follow-on training in first quarter FY00.

AN/USM-484 HYBRID TEST SYSTEM

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AN/USM-484 HYBRID TEST SYSTEM

LIST OF ACRONYMS

ACDU	Active Duty
AIMD	Aircraft Intermediate Maintenance Department
AMIST	Aviation Maintenance In-Service Training
AMTCS	Aviation Maintenance Training Continuum System
AOB	Average On Board
AT	Aviation Electronics Technician
ATE	Automatic Test Equipment
ATIR	Annual Training Input Requirements
BB	Building Block
CASS	Consolidated Automated Support System
CAT	Computerized Automatic Tester
CBT	Computer-Based Training
CIN	Course Identification Number
CINCLANTFLT	Commander in Chief, Atlantic Fleet
CINCPACFLT	Commander in Chief, Pacific Fleet
CMC	Commandant of the Marine Corps
CNET	Chief of Naval Education and Training
CNO	Chief of Naval Operations
COMNAVAIRESFOR	Commander, Naval Air Reserve Force
CV	Aircraft Carrier
CVN	Aircraft Carrier, Nuclear
DWG	Digital Word Generator
ECP	Engineering Change Proposal
FY	Fiscal Year
GSSD	Government Support Systems Division
HTS	Hybrid Test System
IMA	Intermediate Maintenance Activity
IPB	Illustrated Parts Breakdown
JRB	Joint Reserve Base

AN/USM-484 HYBRID TEST SYSTEM

LIST OF ACRONYMS

MALS	Marine Aviation Logistics Squadron
MATMEP	Maintenance Training Management and Evaluation Program
MCAS	Marine Corps Air Station
MOS	Military Occupational Specialty
MTIP	Maintenance Training Improvement Program
MTU	Maintenance Training Unit
NA	Not Applicable
NAMTRAGRU DET	Naval Air Maintenance Training Group Detachment
NAS	Naval Air Station
NATEC	Naval Air Technical Data and Engineering Service Command
NAVAIRSYSCOM	Naval Air Systems Command
NAVAVNDEPOT	Naval Aviation Depot
NEC	Navy Enlisted Classification
NPC	Navy Personnel Command
NTSP	Navy Training System Plan
OLSP	Operational Logistics Support Plan
OPO	OPNAV Principal Official
OPNAV	Office of the Chief of Naval Operations
OPNAVINST	OPNAV Instruction
PMA	Program Manager, Air
PSP	Phased Support Plan
RAIMD	Reserve Aircraft Intermediate Maintenance Department
RFT	Ready For Training
SRA	Shop Replaceable Assembly
TD	Training Device
TECHEVAL	Technical Evaluation
TFS	Total Force Structure
TPS	Test Program Set
TTE	Technical Training Equipment
USS	United States Ship
UUT	Unit Under Test

AN/USM-484 HYBRID TEST SYSTEM

LIST OF ACRONYMS

VMFAT	Fixed Wing Medium Fighter Attack Training Squadron
WRA	Weapon Replaceable Assembly

AN/USM-484 HYBRID TEST SYSTEM

PREFACE

This Approved AN/USM-484 Hybrid Test System (HTS) Navy Training System Plan (NTSP) is an update of the Proposed HTS Navy Training Plan (NTSP), N88-NTSP-A-50-8708C/P, dated January 1999. This NTSP reflects the latest information on the HTS program and has been updated to comply with guidelines set forth in the Navy Training Requirements Documentation Manual.

PART I - TECHNICAL PROGRAM DATA

A. NOMENCLATURE-TITLE-PROGRAM

1. **Nomenclature-Title-Acronym.** AN/USM-484 Hybrid Test System (HTS)
2. **Program Element.** 24161N

B. SECURITY CLASSIFICATION

1. **System Characteristics** Unclassified
2. **Capabilities** Unclassified
3. **Functions**..... Unclassified

C. MANPOWER, PERSONNEL, AND TRAINING PRINCIPALS

OPNAV Principal Official (OPO) Program Sponsor..... CNO (N881B)

OPO Resource Sponsor CNO (N881B)

Marine Corps Program Sponsor..... CMC (ASL-34)

Developing Agency..... NAVAIRSYSCOM (PMA260)

Training Agency CINCLANTFLT
CINCPACFLT
CNET
CMC
COMNAVAIRESFOR

Training Support Agency NAVAIRSYSCOM (PMA205)

Manpower and Personnel Mission Sponsor NAVPERSCOM (NPC-4, NPC-404)
CNO (N12)

Director of Naval Training..... CNO (N7)

Commander, Reserve Program Manager COMNAVAIRESFOR

Marine Corps Combat Development Command (MCCDC)

Manpower Management TFS Division

D. SYSTEM DESCRIPTION

1. Operational Uses. The AN/USM-484 Hybrid Test System (HTS) is a general purpose Automatic Test Equipment (ATE) system that fault isolates Weapon Replaceable Assemblies (WRA) and Shop Replaceable Assemblies (SRA) associated with complex avionics packages installed in modern aircraft weapon systems. The HTS is employed by Navy and Marine Corps Intermediate Maintenance Activities (IMA) and depot level maintenance activities in support of the AV-8B, EA-6B, F-14, F/A-18, S-3B, and SH-60B Aircraft. In addition, the HTS provides off-line maintenance support for the AN/USM-470(V)1 Avionics Test Set.

The HTS is a mature system widely used throughout the fleet. It has been selected as a candidate for replacement by the AN/USM-636(V) Consolidated Automated Support System (CASS) beginning in Fiscal Year (FY)04. However, HTS will remain in service for another ten years, or more, before it reaches obsolescence and is completely phased out of service.

2. Foreign Military Sales. Several countries have procured the HTS in support of their aircraft and avionics. These include Australia, Canada, Finland, Kuwait, Malaysia, Spain, and Switzerland. Refer to Program Manager, Air (PMA)260 for specific information concerning Foreign Military Sales.

E. DEVELOPMENTAL TEST AND OPERATIONAL TEST. A Technical Evaluation (TECHEVAL) was completed at Naval Air Test Center Patuxent River, Maryland, in August 1984. No special training for TECHEVAL personnel was required. No Operational Evaluation was required for the HTS.

F. AIRCRAFT AND/OR EQUIPMENT/SYSTEM/SUBSYSTEM REPLACED. HTS does not replace any existing test equipment. It augments the AN/ASM-175 Electronic Module Test Console for specific EA-6B and F-14 Aircraft systems.

G. DESCRIPTION OF NEW DEVELOPMENT

1. Functional Description. The HTS is a stand-alone, computer-controlled test station designed to provide automatic performance verification and fault isolation of WRAs and SRAs under test. The Units Under Test (UUT) are tested through use of a high-speed computer stimulus under control of Test Program Sets (TPS). HTS uses commercial off-the-shelf hardware for over 75 percent of the test equipment and peripheral devices. The HTS hardware is mounted in four rack assemblies described below. Engineering Change Proposal (ECP)-009 for the 7906 Disc Drive Replacement was approved 23 December 1992; distribution of ECP-009 has been completed.

a. Control Equipment. Control equipment is used to control the stimulus and response equipment. It consists of the Harris H-100 computer, the IEEE-488 control system, and associated software elements.

b. Stimulus and Response Equipment. This group provides the signals necessary to exercise the system. It includes commercial off-the-shelf test equipment.

c. Interface Switching Equipment. The Interface Switching Equipment group consists of the Interface Switch Assembly and Digital Word Generator (DWG) Interface Device, which provide the means to test system status (self-test), including certifying calibration standards. Under TPS control, stimulus and measurement signals are routed through the interface switching equipment to either the HTS elements, the UUTs, or both.

2. Physical Description

Dimensions:	96.5 inches long 38.0 inches deep (+18 inches work surface) 78.25 inches high (without lifting eyes)
Weight:	4,000 pounds
Power Requirements:	115 Volts Alternating Current, 400 Hertz, 3 Phase, 15 Kilovolt Ampere, Delta or Wye Input

3. New Development Introduction. The HTS was delivered to the fleet as a new production ATE. Since delivery of the HTS to the Navy has been completed, HTS units from decommissioned carriers and activities are transferred to new sites as required.

4. Significant Interfaces. An Interface Switch Assembly and DWG Interface Device provide stimulus and measurement signals to either the HTS elements, the UUTs, or both. In addition, a calibration interface device is required by the HTS.

5. New Features, Configurations, or Material. Not Applicable (NA)

H. CONCEPTS

1. Operational Concept. The HTS is employed at Aircraft Intermediate Maintenance Departments (AIMD) ashore and afloat, as well as Marine Aviation Logistics Squadrons (MALs). At most locations, the HTS is operated for two or three shifts daily. Navy personnel from the Aviation Electronics Technician (AT) rating with Navy Enlisted Classifications 6688 (AN/USM-484 HTS IMA Technician) and 6689 (AN/USM-484 HTS Advanced IMA Technician), and Marine Corps personnel with Military Occupational Specialty 6465 (HTS Technician, IMA) operate and maintain the HTS.

2. Maintenance Concept. All maintenance requirements for the HTS are accomplished at the intermediate and depot levels. The HTS maintenance concept follows the direction and guidance provided by the Naval Aviation Maintenance Program, Office of the Chief of Naval Operations Instruction (OPNAVINST) 4790.2G.

a. Organizational. The organizational maintenance on HTS consists of on-equipment work only, such as corrosion control, calibration, and troubleshooting.

(1) Preventive Maintenance. Preventive maintenance consists of performing a daily confidence test and scheduled maintenance tasks at prescribed calendar or operating time intervals.

(2) Corrective Maintenance. Corrective maintenance consists of on-line fault isolation to the faulty commercial test equipment Building Blocks (BB).

b. Intermediate. The HTS is employed in Work Center 690 at AIMDs and MALSS. IMA personnel perform selected intermediate level maintenance (off-equipment), including identification and replacement of faulty SRAs within the test system.

(1) Preventive Maintenance. Preventive maintenance consists of performing a daily confidence test and scheduled maintenance tasks at prescribed calendar or operating time intervals. Preventive maintenance is required for equipment that has unsealed mechanical or electromechanical assemblies. The calibration module is scheduled for replacement at periodic intervals and will be sent to a Navy depot or contractor facility qualified to perform the calibration. Calibration of the HTS is performed every 30 days and requires a calibration interface device and four roll-up standards.

(2) Corrective Maintenance. Corrective maintenance consists of on-line fault isolation to the faulty commercial test equipment Building Blocks (BB). New design equipment including the Power Monitor Control Unit, digital computer, and Interface Switch Assembly will be fault isolated on-line to the defective SRA. The DWG requires use of an interface device for on-line fault isolation to a defective SRA. DWG SRAs may be repaired at the intermediate level with the AN/USM-429(V)1 Computerized Automatic Test (CAT) IIID. Commercial test equipment BBs and all other SRAs are repaired at the depot level.

c. Depot. The calibration module is scheduled for calibration at periodic intervals at designated Naval Aviation Depots (NAVAVNDEPOT) Cherry Point, North Carolina; Jacksonville, Florida; and North Island, California. HTS WRAs and SRAs not repaired at the intermediate level will be forwarded to the nearest Navy depot or appropriate contractor or vendor facility for repair as required by the Maintenance Plan. The Fleet Support Team for HTS is NAVAVNDEPOT North Island.

d. Interim Maintenance. Representatives from the Naval Air Technical Data and Engineering Service Command (NATEC) are available to provide technical assistance on the HTS as needed.

e. Life-Cycle Maintenance Plan. NA

3. Manning Concept. HTS manning is driven by the requirement for operators, maintainers, and advanced IMA technicians who perform preventive and corrective maintenance. No changes to current HTS manpower requirements are necessary at this time. However, as

CASS replaces HTS in the fleet, manpower for HTS support will be phased out. Some of those billets may be reprogrammed to support CASS. This phase out is not displayed in this NTSP, since it will not begin until well after the five-year planning period addressed herein.

4. Training Concept. The overall objective of the HTS training program is to provide a ready supply of trained technicians to the intermediate level maintenance activities in support of fleet activities. Contractor training services were used to train an initial cadre of HTS operator and maintenance personnel as well as Naval Air Maintenance Training Group Detachment (NAMTRAGRU DET) instructors.

Selected Reserve personnel may earn intermediate level maintenance NECs by attending formal training at NAMTRAGRU DETs providing a quota and funding are available, and the student is available to attend the training. Specific guidelines are contained in NAVPERS 18068F Volume II, Chapter IV, Navy Enlisted Classifications.

a. Initial Training. HTS initial training courses were presented to fleet cadre and NAMTRAGRU DET instructor personnel by Harris Corporation, Government Support Systems Division (GSSD), on-site at Maintenance Training Unit (MTU) 1038, NAMTRAGRU DET Naval Air Station (NAS) Lemoore, California. HTS initial training was completed in July 1984.

b. Follow-on Training. HTS follow-on training is conducted at MTU 1038, NAMTRAGRU DET NAS Lemoore. MTU 3010, NAMTRAGRU DET NAS Oceana, Virginia, will begin follow-on training in first quarter FY00. Currently, the AN/USM-484 HTS Operator and Maintainer Intermediate Maintenance course, C-198-3063, is conducted at MTU 1038, and MTU 3010 will start in first quarter FY00. The AN/USM-484 HTS Advanced IMA Technician course, C-198-3876, is single-sited at MTU 1038. Marine Corps personnel attend C-198-3063 only to be awarded the MOS 6465.

Title	AN/USM-484 Hybrid Test Station (HTS) Operation/Maintenance
CIN	D/E-198-6045
Model Manager ..	MTU 1038 NAMTRAGRU DET NAS Lemoore
Description	Upon completion of this training, graduates will have acquired sufficient skills and knowledge of the AN/USM-484 HTS operational procedures, emergency procedures, scheduled maintenance procedures, TPS procedures, testing, troubleshooting and fault isolation procedures, adjustment procedures, and calibration procedures to perform intermediate maintenance under minimum supervision in the AIMD working environment.
Locations	MTU 1038 NAMTRAGRU DET NAS Lemoore MTU 3010 NAMTRAGRU DET NAS Oceana
Length	65 days

RFT date Currently available
Skill identifier AT 6688, MOS 6465
TTE/TD AN/USM-484 HTS, TD is NA.
Prerequisite C-100-2017, Avionics Technician I Level Class A1

Title AN/USM-484 Hybrid Test Station (HTS) Advanced IMA Technician

CIN E-198-6050

Model Manager .. MTU 1038 NAMTRAGRU DET NAS Lemoore

Description Upon successful completion of this training, HTS technicians will have acquired sufficient knowledge and skills of the internal testing of HTS, programming analysis of HTS TPSs, and the VULCAN Operating System, including analysis of the input-output system to perform, under supervision, advanced intermediate maintenance on the AN/USM-484 HTS and an in-depth analysis of the VULCAN Operating System and removable disk packs.

Location MTU 1038 NAMTRAGRU DET NAS Lemoore

Length 65 days

RFT date Currently available

Skill identifier AT 6689

TTE/TD AN/USM-484 HTS, TD is NA.

Prerequisites D/E-198-6045, AN/USM-484 Hybrid Test Station (HTS) Operation and Maintenance, Confidential Clearance, E-5 and above.

c. Student Profiles

SKILL IDENTIFIER	PREREQUISITE SKILL AND KNOWLEDGE REQUIREMENTS
AT 6688	° C-100-2020, Avionics Common Core Class A1 ° C-100-2017, Avionics Technician I Level Class A1
MOS 6465	° C-100-2020, Avionics Common Core Class A1 ° C-100-2017, Avionics Technician I Level Class A1

SKILL IDENTIFIER	PREREQUISITE SKILL AND KNOWLEDGE REQUIREMENTS
AT 6689	<ul style="list-style-type: none"> ° C-100-2020, Avionics Common Core Class A1 ° C-100-2017, Avionics Technician I Level Class A1 ° D/E-198-6045, AN/USM-484 Hybrid Test Station (HTS) Operation and Maintenance

d. Training Pipelines. The following training tracks are available in the Office of the Chief of Naval Operations Aviation Training Management System (OATMS) and require modifications as indicated.

(1) D/E-198-6045, AN/USM-484 Hybrid Test Station (HTS) Operation and Maintenance. Revisions required are:

- Change track title to read AN/USM-484 Hybrid Test *System* (HTS) Operation and Maintenance
- Add NAMTRAGRU DET NAS Oceana as a training location
- Delete NAMTRAGRU DET NAS Cecil Field, Florida, as a training location

(2) E-198-6050, AN/USM-484 Hybrid Test Station (HTS) Advanced IMA Technician. Revisions required are:

- Change track title to read AN/USM-484 Hybrid Test *System* (HTS) Advanced IMA Technician

I. ONBOARD (IN-SERVICE) TRAINING

1. Proficiency or Other Training Organic to the New Development

a. Maintenance Training Improvement Program. The Maintenance Training Improvement Program (MTIP) is used to establish an effective and efficient training system responsive to fleet training requirements. MTIP is a training management tool that, through diagnostic testing, identifies individual training deficiencies at the organizational and intermediate levels of maintenance. MTIP is the comprehensive testing of one's knowledge. It consists of a bank of test questions managed through automated data processing. The Deputy Chief of Staff for Training assisted in development of MTIP by providing those question banks (software) already developed by the Navy. MTIP was implemented per OPNAVINST 4790.2 series. MTIP allows increased effectiveness in the application of training resources through identification of skills and knowledge deficiencies at the activity, work center, or individual technician level. Refresher training is concentrated where needed to improve identified skill and knowledge

shortfalls. MTIP will be replaced by Aviation Maintenance In-Service Training (AMIST) in FY01.

b. Aviation Maintenance In-Service Training. AMIST is intended to support the Fleet training requirements now satisfied by MTIP, and in that sense is the planned replacement. However, it is structured very differently, and will function as an integral part of the new Aviation Maintenance Training Continuum System (AMTCS) that will replace the existing aviation maintenance training structure. AMIST will provide standardized instruction to bridge the training gaps between initial and career training. With implementation of AMIST, technicians will be provided the training required to maintain a level of proficiency necessary to effectively perform the required tasks to reflect career progression. AMIST is scheduled to begin for intermediate level activities the second quarter FY01.

c. Aviation Maintenance Training Continuum System. AMTCS will redesign the aviation training process (training continuum), and introduce CBT throughout the Navy technical training process. The application and adoption of recent advances in computer hardware and software technology will enable CBT, with its basic elements of Computer Managed Instruction, Computer Aided Instruction, and Interactive Courseware, to be integrated into the training continuum and provide essential support for standardizing technical training.

2. Personnel Qualification Standards. NA

3. Other Onboard or In-service Training Packages. Marine Corps onboard training is based on the current series of MCO P4790.12, Individual Training Standards System and Marine Training Management Evaluation Program (MATMEP). This program is designed to meet Marine Corps, as well as Navy OPNAVINST 4790.2G, maintenance training requirements. It is a performance-based, standardized, level-progressive, documentable, training management and evaluation program. It identifies and prioritizes task inventories by MOS through a front-end analysis process that identifies task, skill, and knowledge requirements of each MOS. MTIP questions coupled to MATMEP tasks will help identify training deficiencies that can be addressed with refresher training.

J. LOGISTICS SUPPORT

1. Manufacturer and Contract Numbers

CONTRACT NUMBER	MANUFACTURER	ADDRESS
N00019-80-C-0183 N00019-82-C-0058 N00019-84-C-0101 N00383-91-G-K220	Harris Corporation	6801 Jericho Turnpike Syosset, New York 11791

2. Program Documentation. An Operational Logistics Support Plan (OLSP) for the HTS, OLSP-CSE-0441:AA:RB, was developed in September 1987 and subsequently updated. The OLSP was then replaced by the Phased Support Plan (PSP), PSP-CSE-0471:AA, in September 1990. A draft User Logistics Support Summary, U76097003, dated April 1997 has been developed to replace the PSP.

3. Technical Data Plan. Harris Corporation's GSSD provided Naval Air Systems Command (NAVAIRSYSCOM) with the basic on-line and off-line maintenance manuals on HTS. These manuals are available through the NATEC. A new intermediate level maintenance manual for the AT-826-HO-MIB-210 Disc Drive has been developed and is an open purchase item through NAVAVNDEPOT North Island. It became available in August 1997.

4. Test Sets, Tools, and Test Equipment. HTS maintenance is performed with common hand tools and special tools identified and approved in the maintenance plan.

5. Repair Parts. Spare and repair parts have been provisioned and are available through the Naval Inventory Control Point, Mechanicsburg, Pennsylvania. The Material Support Date was achieved 1 October 1987.

6. Human Systems Integration Plan. NA

K. SCHEDULES

1. Installation and Delivery Schedules. Delivery of the HTS to the Navy has been completed. Base Realignment and Closure decisions continue to affect HTS locations. AIMD NAS Cecil Field is scheduled for closure by September 1999, and as a result, three HTS stations will be transferred to AIMD NAS Oceana. The remaining four stations will be utilized by Type Commanders to fill deficiencies in Commanders Naval Air Force, United States Atlantic Fleet activities first, then Pacific Fleet or Fleet Reserve activities. Two stations are allocated to the Aircraft Carrier, Nuclear (CVN)-76, United States Ship (USS) Reagan. They are in storage at the Fleet and Industrial Supply Center, Cheatham Annex, Williamsburg, Virginia, and are anticipated to be onboard third quarter FY99. The following tables depict current locations of HTS units. Information on the transfer of other HTS units is not available at this time, but will be included in future updates to this NTSP.

ACTIVITY	UNITS	STATUS
AIMD Naval Air Facility Atsugi, Japan	2	Onboard
AIMD NAS Cecil Field	9	Onboard
AIMD NAS Fallon, Nevada	1	Onboard
AIMD NAS Lemoore	8	Onboard
AIMD Naval Station Mayport, Florida	3	Onboard
AIMD NAS North Island	3	Onboard

ACTIVITY	UNITS	STATUS
AIMD NAS Oceana	7	Onboard
AIMD NAS Sigonella, Sicily	2	Onboard
AIMD NAS Whidbey Island, Washington	3	Onboard
Joint Reserve Base (JRB) Fort Worth, Texas	2	Onboard
Reserve AIMD (RAIMD) New Orleans, Louisiana	4	Onboard
RAIMD Washington, DC	2	Onboard
Aircraft Carrier (CV)-62, USS Independence	4	Onboard
CV-63 USS Kitty Hawk	4	Onboard
CV-64 USS Constellation	4	Onboard
CVN-65 USS Enterprise	3	Onboard
CV-67 USS Kennedy	4	Onboard
CVN-68 USS Nimitz	4	Onboard
CVN-69 USS Eisenhower	4	Onboard
CVN-70 USS Vinson	4	Onboard
CVN-71 USS Roosevelt	4	Onboard
CVN-72 USS Lincoln	4	Onboard
CVN-73 USS Washington	4	Onboard
CVN-74 USS Stennis	4	Onboard
CVN-75 USS Truman	3	Onboard
CVN-76 USS Reagan	2	FY99
MALS-11 MCAS Miramar, California	6	Onboard
MALS-12 MCAS Iwakuni, Japan	6	Onboard
MALS-13 MCAS Yuma, Arizona	2	Onboard
MALS-14 MCAS Cherry Point	5	Onboard
MALS-31 MCAS Beaufort	6	Onboard
MALS-41 JRB Dallas, Texas	3	Onboard
Fixed Wing Fighter Attack Training Squadron (VMFAT)-101	2	Onboard
Naval Air Warfare Center Aircraft Division Lakehurst, New Jersey	2	Onboard

ACTIVITY	UNITS	STATUS
Naval Surface Warfare Center Division Crane	1	Onboard
Naval Test Wing Atlantic Patuxent River, Maryland	2	Onboard
Naval Weapons Test Squadron China Lake, California	2	Onboard
NAVAVNDEPOT Cherry Point	15	Onboard
NAVAVNDEPOT Jacksonville	9	Onboard
NAVAVNDEPOT North Island	13	Onboard

2. Ready For Operational Use Schedule. The HTS is Ready For Operational Use two weeks after delivery.

3. Time Required to Install at Operational Sites. HTS installation and verification requires two weeks.

4. Foreign Military Sales and Other Source Delivery Schedule. Several countries have procured the HTS, including Australia, Canada, Finland, Kuwait, Malaysia, Switzerland, and Spain. For detailed information on the delivery schedules, contact PMA260.

5. Training Device and Technical Training Equipment Delivery Schedule. The HTS was delivered to training sites as follows.

TRAINING SITE	UNITS	DATE	STATUS
MTU 1038 NAMTRAGRU DET NAS Lemoore	2	Jan 84	Onboard
	1	Apr 87	Onboard
MTU 1039 NAMTRAGRU DET NAS Cecil Field	1	Apr 85	Onboard
	1	Jan 86	Onboard
	1	Apr 87	Onboard

Note: The HTS units at MTU 1039 are scheduled to relocate to MTU 3010 in July 1999.

L. GOVERNMENT FURNISHED EQUIPMENT AND CONTRACTOR FURNISHED EQUIPMENT TRAINING REQUIREMENTS. NA

M. RELATED NTSPs AND OTHER APPLICABLE DOCUMENTS

DOCUMENT OR NTSP TITLE	DOCUMENT OR NTSP NUMBER	PDA CODE	STATUS
AN/USM-484 HTS Phased Support Plan	PSP-CSE-0471:AA		Approved Sep 90
AN/USM-484 HTS User Logistics Support Summary	U76097003	PMA260	Draft Apr 97
AV-8B Harrier Plus Weapon Systems	N88-NTSP-A-50-8210C/D	PMA257	Draft Aug 98
EA-6B Improved Capability Modification II	A-50-7904C/A	PMA234	Approved Dec 96
F-14A/B/D Aircraft	N88-NTSP-A-50-8511B/D	PMA241	Draft Aug 98
F/A-18 Weapon System	A-50-7703F/A	PMA265	Approved Dec 97
S-3B Aircraft	N88-NTSP-A-50-8310D/P	PMA244	Proposed Apr 98
SH-60B LAMPS MK-III, Part B, Aircraft Subsystems	A-50-7702D/P	PMA299	Proposed Oct 94
AN/USM-429(V) 1 Computerized Automatic Tester CAT-IIID(V) 1	N88-NTSP-A-50-8709B/P	PMA260	Proposed Jan 98
SH-60F Carrier Inner Zone ASW Helicopter	N88-NTSP-A-50-8508D/D	PMA299	Preliminary Draft Nov 98

PART II - BILLET AND PERSONNEL REQUIREMENTS

The following elements are not affected by the AN/USM-484 Hybrid Test System and, therefore, are not included in Part II of this NTSP:

II.A. Billet Requirements

II.A.2.b. Billets to be Deleted in Operational and Fleet Support Activities

PART II - BILLET AND PERSONNEL REQUIREMENTS

II.A. BILLET REQUIREMENTS

II.A.1.a. OPERATIONAL AND FLEET SUPPORT ACTIVITY ACTIVATION SCHEDULE

SOURCE: AN/USM-484 HTS ULSS, U76097003

DATE: 3/1/99

ACTIVITY, UIC		PFYs	CFY99	FY00	FY01	FY02	FY03
FLEET SUPPORT ACTIVITIES - USMC							
MALS Fixed Wing	00000	2	0	0	0	0	0
VFMA-142 Support	67822	1	0	0	0	0	0
VFMA-321 Support	67815	1	0	0	0	0	0
VMA Support	00000	3	0	0	0	0	0
VMAQ Support	00000	4	0	0	0	0	0
VMAT-203	09821	1	0	0	0	0	0
VMFA CV Deployment	00000	2	0	0	0	0	0
VMFA CV MALS Augment	00000	2	0	0	0	0	0
VMFA Support	00000	2	0	0	0	0	0
VMFA(AW) Support	00000	3	0	0	0	0	0
MALS Fixed Wing	00000	3	0	0	0	0	0
MALS-41 Ft Worth	67239	1	0	0	0	0	0
MALS-46 Miramar	09749	1	0	0	0	0	0
VFMA-112 Support	67814	1	0	0	0	0	0
VFMA-134 Support	09365	1	0	0	0	0	0
VFMAT-101 Support	09965	1	0	0	0	0	0
VMA Support	00000	4	0	0	0	0	0
VMFA CV Deployment	00000	2	0	0	0	0	0
VMFA CV MALS Augment	00000	2	0	0	0	0	0
VMFA Support	00000	2	0	0	0	0	0
VMFA(AW) Support	00000	3	0	0	0	0	0
TOTAL:		42	0	0	0	0	0
FLEET SUPPORT ACTIVITIES - NAVY							
CV-67 USS John F. Kennedy	03367	1	0	0	0	0	0
CVN-65 USS Enterprise	03365	1	0	0	0	0	0
CVN-68 USS Nimitz	03368	1	0	0	0	0	0
CVN-69 USS Eisenhower	03369	1	0	0	0	0	0
CVN-71 Theodore Roosevelt	21247	1	0	0	0	0	0
CVN-73 USS George Washington	21412	1	0	0	0	0	0
CVN-75 USS Harry S. Truman	21853	1	0	0	0	0	0
NAF Washington DC RAIMD	44492	1	0	0	0	0	0
NAS Atlanta RAIMD	44486	1	0	0	0	0	0
NAS Cecil Field Sea Op DET	46961	1	0	0	0	0	0
NAS Jacksonville AIMD	44319	1	0	0	0	0	0
NAS Jacksonville Sea Op DET	46965	1	0	0	0	0	0
NAS New Orleans RAIMD	44490	1	0	0	0	0	0
NAS Oceana AIMD	44327	1	0	0	0	0	0
NAS Oceana Sea Op DET	46963	1	0	0	0	0	0
NAS Sigonella AIMD	44330	1	0	0	0	0	0
NAVAIRES Norfolk	63102	1	0	0	0	0	0
NS Mayport AIMD	45459	1	0	0	0	0	0

II.A.1.a. OPERATIONAL AND FLEET SUPPORT ACTIVITY ACTIVATION SCHEDULE

SOURCE: AN/USM-484 HTS ULSS, U76097003

DATE: 3/1/99

ACTIVITY, UIC		PFYs	CFY9	FY00	FY01	FY02	FY03
CV-63 USS Kitty Hawk	03363	1	0	0	0	0	0
CV-64 USS Constellation	03364	1	0	0	0	0	0
CVN-70 USS Vinson	20993	1	0	0	0	0	0
CVN-72 USS Abraham Lincoln	21297	1	0	0	0	0	0
CVN-74 USS John C. Stennis	21847	1	0	0	0	0	0
NAF Atsugi AIMD	44323	1	0	0	0	0	0
NAS Fallon AIMD	44317	1	0	0	0	0	0
NAS JRB Ft Worth RAIMD	44487	1	0	0	0	0	0
NAS Lemoore AIMD	44321	1	0	0	0	0	0
NAS Lemoore Sea Op DET	46964	1	0	0	0	0	0
NAS North Island AIMD	44326	1	0	0	0	0	0
NAS North Island Sea Op DET	46968	1	0	0	0	0	0
NAS Whidbey Island AIMD	44329	1	0	0	0	0	0
NAS Whidbey Island Sea Op DET	46967	1	0	0	0	0	0
NAS Whidbey Island Van Op DET	31179	1	0	0	0	0	0
TOTAL:		33	0	0	0	0	0

Note: Some of the activities listed above do not have custody of any HTS, but do have billets for maintenance support.

II.A.1.b. BILLETS REQUIRED FOR OPERATIONAL AND FLEET SUPPORT ACTIVITIES

ACTIVITY, UIC, PHASING INCREMENT	BILLETS		DESIG/ RATING	PNEC/ PMOS	SNEC/ SMOS
	OFF	ENL			
FLEET SUPPORT ACTIVITIES - USMC					
MALS Fixed Wing, 00000					
USMC	0	1	SGT	6465	
ACTIVITY TOTAL:	0	1			
VFMA-142 Support, 67822					
USMC	0	1	CPL	6465	
	0	1	LCPL	6465	
ACTIVITY TOTAL:	0	2			
VFMA-321 Support, 67815					
USMC	0	1	CPL	6465	
	0	1	LCPL	6465	
ACTIVITY TOTAL:	0	2			
VMA Support, 00000					
USMC	0	1	LCPL	6465	
ACTIVITY TOTAL:	0	1			
VMAQ Support, 00000					
USMC	0	2	CPL	6465	
	0	1	SGT	6465	
ACTIVITY TOTAL:	0	3			
VMAT-203, 09821					
USMC	0	3	LCPL	6465	
ACTIVITY TOTAL:	0	3			
VMFA CV Deployment, 00000					
USMC	0	1	CPL	6465	
ACTIVITY TOTAL:	0	1			
VMFA CV MALS Augment, 00000					
USMC	0	1	LCPL	6465	
ACTIVITY TOTAL:	0	1			
VMFA Support, 00000					
USMC	0	1	CPL	6465	
	0	1	LCPL	6465	
ACTIVITY TOTAL:	0	2			

II.A.1.b. BILLETS REQUIRED FOR OPERATIONAL AND FLEET SUPPORT ACTIVITIES

ACTIVITY, UIC, PHASING INCREMENT	BILLETS		DESIG/ RATING	PNEC/ PMOS	SNEC/ SMOS
	OFF	ENL			
VMFA(AW) Support, 00000					
USMC	0	1	CPL	6465	
	0	1	LCPL	6465	
ACTIVITY TOTAL:	0	2			
MALS Fixed Wing, 00000					
USMC	0	1	SGT	6465	
ACTIVITY TOTAL:	0	1			
MALS-41 Ft Worth, 67239					
USMC	0	1	SGT	6465	
AR	0	1	CPL	6465	
	0	3	LCPL	6465	
ACTIVITY TOTAL:	0	5			
MALS-46 Miramar, 09749					
AR	0	1	CPL	6465	
	0	3	LCPL	6465	
	0	1	SGT	6465	
ACTIVITY TOTAL:	0	5			
VFMA-112 Support, 67814					
USMC	0	1	CPL	6465	
	0	1	LCPL	6465	
ACTIVITY TOTAL:	0	2			
VFMA-134 Support, 09365					
USMC	0	1	CPL	6465	
	0	1	LCPL	6465	
ACTIVITY TOTAL:	0	2			
VFMA-101 Support, 09965					
USMC	0	1	LCPL	6465	
	0	2	SGT	6465	
ACTIVITY TOTAL:	0	3			
VMA Support, 00000					
USMC	0	1	LCPL	6465	
ACTIVITY TOTAL:	0	1			

II.A.1.b. BILLETS REQUIRED FOR OPERATIONAL AND FLEET SUPPORT ACTIVITIES

ACTIVITY, UIC, PHASING INCREMENT	BILLETS		DESIG/ RATING	PNEC/ PMOS	SNEC/ SMOS
	OFF	ENL			
VMFA CV Deployment, 00000					
USMC	0	1	CPL	6465	
ACTIVITY TOTAL:	0	1			
VMFA CV MALS Augment, 00000					
USMC	0	1	LCPL	6465	
ACTIVITY TOTAL:	0	1			
VMFA Support, 00000					
USMC	0	1	CPL	6465	
	0	1	LCPL	6465	
ACTIVITY TOTAL:	0	2			
VMFA(AW) Support, 00000					
USMC	0	1	CPL	6465	
	0	1	LCPL	6465	
ACTIVITY TOTAL:	0	2			
FLEET SUPPORT ACTIVITIES - NAVY					
CV-67 USS John F. Kennedy, 03367					
ACDU	0	1	AT1	6689	
	0	1	ATAN	6688	
TAR	0	1	AT1	6689	
ACTIVITY TOTAL:	0	3			
CVN-65 USS Enterprise, 03365					
ACDU	0	2	AT1	6689	
	0	1	AT2	6688	
ACTIVITY TOTAL:	0	3			
CVN-68 USS Nimitz, 03368					
ACDU	0	1	AT1	6688	
	0	2	AT1	6689	
	0	1	AT2	6688	
ACTIVITY TOTAL:	0	4			

II.A.1.b. BILLETS REQUIRED FOR OPERATIONAL AND FLEET SUPPORT ACTIVITIES

ACTIVITY, UIC, PHASING INCREMENT	BILLETS		DESIG/ RATING	PNEC/ PMOS	SNEC/ SMOS
	OFF	ENL			
CVN-69 USS Eisenhower, 03369					
ACDU	0	2	AT1	6689	
	0	1	AT2	6688	
	0	1	AT3	6688	
	0	1	ATAN	6688	
ACTIVITY TOTAL:	0	5			
CVN-71 Theodore Roosevelt, 21247					
ACDU	0	2	AT1	6689	
ACTIVITY TOTAL:	0	2			
CVN-73 USS George Washington, 21412					
ACDU	0	1	AT1	6688	
	0	1	AT1	6689	
	0	1	AT2	6688	
ACTIVITY TOTAL:	0	3			
CVN-75 USS Harry S. Truman, 21853					
ACDU	0	2	AT1	6688	
	0	1	AT1	6689	
ACTIVITY TOTAL:	0	3			
NAF Washington DC RAIMD, 44492					
TAR	0	1	AT2	6688	
	0	1	AT3	6688	
ACTIVITY TOTAL:	0	2			
NAS Atlanta RAIMD, 44486					
TAR	0	1	AT1	6688	
	0	1	AT2	6689	
ACTIVITY TOTAL:	0	2			
NAS Cecil Field Sea Op DET, 46961					
ACDU	0	1	AT2	6688	
	0	1	AT3	6688	
ACTIVITY TOTAL:	0	2			
NAS Jacksonville AIMD, 44319					
ACDU	0	1	AT2	6689	
	0	2	AT3	6688	
ACTIVITY TOTAL:	0	3			

II.A.1.b. BILLETS REQUIRED FOR OPERATIONAL AND FLEET SUPPORT ACTIVITIES

ACTIVITY, UIC, PHASING INCREMENT	BILLETS		DESIG/ RATING	PNEC/ PMOS	SNEC/ SMOS
	OFF	ENL			
NAS Jacksonville Sea Op DET, 46965					
ACDU	0	5	AT2	6688	
ACTIVITY TOTAL:	0	5			
NAS New Orleans RAIMD, 44490					
ACDU	0	1	AT3	6688	
TAR	0	1	AT1	6689	
	0	1	AT1	6689	9527
	0	1	AT2	6688	
	0	1	AT2	6689	9527
	0	1	AT3	6688	
ACTIVITY TOTAL:	0	6			
NAS Oceana AIMD, 44327					
ACDU	0	1	AT1	6688	
	0	2	AT1	6689	
	0	13	AT2	6689	
	0	10	AT3	6688	
	0	4	AT3	6688	9526
	0	8	AT2	6688	
ACTIVITY TOTAL:	0	38			
NAS Oceana Sea Op DET, 46963					
ACDU	0	7	AT2	6688	
	0	10	AT3	6688	
	0	2	ATAN	6688	
ACTIVITY TOTAL:	0	19			
NAS Sigonella AIMD, 44330					
ACDU	0	1	AT1	6688	
	0	2	AT2	6688	
	0	2	AT3	6688	
NAS Sigonella AIMD, 44330					
ACDU	0	2	AT2	6689	
ACTIVITY TOTAL:	0	7			

II.A.1.b. BILLETS REQUIRED FOR OPERATIONAL AND FLEET SUPPORT ACTIVITIES

ACTIVITY, UIC, PHASING INCREMENT	BILLETS		DESIG/ RATING	PNEC/ PMOS	SNEC/ SMOS
	OFF	ENL			
NAVAIRES Norfolk, 63102					
TAR	0	1	AT3	6688	
ACTIVITY TOTAL:	0	1			
NS Mayport AIMD, 45459					
ACDU	0	1	AT1	6689	
	0	1	AT2	6688	
	0	1	AT2	6689	
	0	2	AT3	6688	
	0	1	AT3	6688	9527
	0	1	ATAN	6688	
ACTIVITY TOTAL:	0	7			
CV-63 USS Kitty Hawk, 03363					
ACDU	0	2	AT1	6689	
	0	3	AT2	6688	
	0	3	AT3	6688	
ACTIVITY TOTAL:	0	8			
CV-64 USS Constellation, 03364					
ACDU	0	2	AT1	6689	
	0	1	ATAN	6688	
ACTIVITY TOTAL:	0	3			
CVN-70 USS Vinson, 20993					
ACDU	0	2	AT1	6689	
	0	1	AT2	6688	
	0	1	ATAN	6688	
ACTIVITY TOTAL:	0	4			
CVN-72 USS Abraham Lincoln, 21297					
ACDU	0	2	AT1	6689	
ACTIVITY TOTAL:	0	2			
CVN-74 USS John C. Stennis, 21847					
ACDU	0	1	AT1	6689	
	0	1	AT2	6688	
	0	1	ATAN	6688	
ACTIVITY TOTAL:	0	3			

II.A.1.b. BILLETS REQUIRED FOR OPERATIONAL AND FLEET SUPPORT ACTIVITIES

ACTIVITY, UIC, PHASING INCREMENT	BILLETS		DESIG/ RATING	PNEC/ PMOS	SNEC/ SMOS
	OFF	ENL			
NAF Atsugi AIMD, 44323					
ACDU	0	2	AT1	6689	
	0	1	AT2	6688	
	0	1	AT3	6688	
SELRES	0	1	AT2	6688	
ACTIVITY TOTAL:	0	5			
NAS Fallon AIMD, 44317					
ACDU	0	1	AT1	6688	
	0	1	AT1	6689	
	0	3	AT2	6688	
	0	2	AT3	6688	
ACTIVITY TOTAL:	0	7			
NAS JRB Ft Worth RAIMD, 44487					
TAR	0	1	AT2	6688	9526
ACTIVITY TOTAL:	0	1			
NAS Lemoore AIMD, 44321					
ACDU	0	2	AT1	6689	
	0	6	AT2	6689	
	0	5	AT3	6688	
NAS Lemoore AIMD, 44321, FY00 Increment					
ACDU	0	1	AT1	6689	
NAS Lemoore AIMD, 44321, FY01 Increment					
ACDU	0	1	AT3	6688	
NAS Lemoore AIMD, 44321, FY02 Increment					
ACDU	0	1	AT1	6689	
	0	1	AT2	6688	
ACTIVITY TOTAL:	0	17			
NAS Lemoore Sea Op DET, 46964					
ACDU	0	4	AT2	6688	
	0	2	AT3	6688	
	0	3	ATAN	6688	
ACTIVITY TOTAL:	0	9			

II.A.1.b. BILLETS REQUIRED FOR OPERATIONAL AND FLEET SUPPORT ACTIVITIES

ACTIVITY, UIC, PHASING INCREMENT	BILLETS		DESIG/ RATING	PNEC/ PMOS	SNEC/ SMOS
	OFF	ENL			
NAS North Island AIMD, 44326					
ACDU	0	1	AT1	6688	9590
	0	1	AT2	6689	
	0	1	AT2	6689	
	0	2	AT3	6688	
ACTIVITY TOTAL:	0	5			
NAS North Island Sea Op DET, 46968					
ACDU	0	4	AT2	6688	
ACTIVITY TOTAL:	0	4			
NAS Whidbey Island AIMD, 44329					
ACDU	0	1	AT1	6688	
	0	1	ATAN	6688	
ACTIVITY TOTAL:	0	2			
NAS Whidbey Island Sea Op DET, 46967					
ACDU	0	9	AT3	6688	
ACTIVITY TOTAL:	0	9			
NAS Whidbey Island Van Op DET, 31179					
ACDU	0	5	AT1	6689	
	0	5	AT3	6688	
ACTIVITY TOTAL:	0	10			

II.A.1.c. TOTAL BILLETS REQUIRED FOR OPERATIONAL AND FLEET SUPPORT ACTIVITIES

DESIG/ RATING	PNEC/SNEC PMOS/SMOS	PFYs		CFY99		FY00		FY01		FY02		FY03	
		OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL
USMC FLEET SUPPORT ACTIVITIES - USMC													
CPL	6465		26		0		0		0		0		0
LCPL	6465		29		0		0		0		0		0
SGT	6465		12		0		0		0		0		0
USMC FLEET SUPPORT ACTIVITIES - AR													
CPL	6465		2		0		0		0		0		0
LCPL	6465		6		0		0		0		0		0
SGT	6465		1		0		0		0		0		0
NAVY FLEET SUPPORT ACTIVITIES - ACDU													
AT1	6688		9		0		0		0		0		0
AT1	6689		33		0		1		0		1		0
AT2	6688		37		8		0		0		1		0
AT2	6689		22		2		0		0		0		0
AT2	6689 9590		1		0		0		0		0		0
AT3	6688		58		0		0		1		0		0
AT3	6688 9526		4		0		0		0		0		0
AT3	6688 9527		1		0		0		0		0		0
ATAN	6688		12		0		0		0		0		0
NAVY FLEET SUPPORT ACTIVITIES - TAR													
AT1	6688		1		0		0		0		0		0
AT1	6689		2		0		0		0		0		0
AT1	6689 9527		1		0		0		0		0		0
AT2	6688		2		0		0		0		0		0
AT2	6688 9526		1		0		0		0		0		0
AT2	6689		1		0		0		0		0		0
AT2	6689 9527		1		0		0		0		0		0
AT3	6688		3		0		0		0		0		0
NAVY FLEET SUPPORT ACTIVITIES - SELRES													
AT2	6688		1		0		0		0		0		0

II.A.1.c. TOTAL BILLETS REQUIRED FOR OPERATIONAL AND FLEET SUPPORT ACTIVITIES

DESIG/ RATING	PNEC/SNEC PMOS/SMOS	PFYs OFF ENL	CFY99 OFF ENL	FY00 OFF ENL	FY01 OFF ENL	FY02 OFF ENL	FY03 OFF ENL
SUMMARY TOTALS:							
USMC FLEET SUPPORT ACTIVITIES - USMC		67	0	0	0	0	0
USMC FLEET SUPPORT ACTIVITIES - AR		9	0	0	0	0	0
NAVY FLEET SUPPORT ACTIVITIES - ACDU		177	10	1	1	2	0
NAVY FLEET SUPPORT ACTIVITIES - TAR		12	0	0	0	0	0
NAVY FLEET SUPPORT ACTIVITIES - SELRES		1	0	0	0	0	0
GRAND TOTALS:							
USMC - USMC		67	0	0	0	0	0
USMC - AR		9	0	0	0	0	0
NAVY - ACDU		177	10	1	1	2	0
NAVY - TAR		12	0	0	0	0	0
NAVY - SELRES		1	0	0	0	0	0

II.A.2.a. OPERATIONAL AND FLEET SUPPORT ACTIVITY DEACTIVATION SCHEDULE**SOURCE:** AN/USM-484 HTS ULSS, U76097003**DATE:** 3/1/99

ACTIVITY, UIC		PFYs	CFY99	FY00	FY01	FY02	FY03
FLEET SUPPORT ACTIVITIES - NAVY							
CV-64 USS Constellation	03364	0	0	0	0	1	0
TOTAL:		0	0	0	0	1	0

II.A.2.c. TOTAL BILLETS TO BE DELETED IN OPERATIONAL AND FLEET SUPPORT ACTIVITIES

DESIG/ RATING	PNEC/SNEC PMOS/SMOS	PFYs OFF ENL	CFY99 OFF ENL	FY00 OFF ENL	FY01 OFF ENL	FY02 OFF ENL	FY03 OFF ENL
NAVY FLEET SUPPORT ACTIVITIES - ACDU							
AT1	6689	2	0	0	0	-2	0
ATAN	6688	1	0	0	0	-1	0

SUMMARY TOTALS:

NAVY FLEET SUPPORT ACTIVITIES - ACDU		3	0	0	0	-3	0
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GRAND TOTALS:

NAVY - ACDU		3	0	0	0	-3	0
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II.A.3. TRAINING ACTIVITIES INSTRUCTOR AND SUPPORT BILLET REQUIREMENTS

DESIG RATING	PNEC/SNEC PMOS/SMOS	PFYs		CFY99		FY00		FY01		FY02		FY03	
		OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL

TRAINING ACTIVITY, LOCATION, UIC: MTU 1038 NAMTRAGRU DET, NAS Lemoore, 66060

INSTRUCTOR BILLETS

ACDU														
AT1	6688	9502	0	4	0	4	0	4	0	4	0	4	0	4
AT1	6689	9502	0	3	0	3	0	3	0	3	0	3	0	3
TOTAL:			0	7	0	7	0	7	0	7	0	7	0	7

TRAINING ACTIVITY, LOCATION, UIC: MTU 3010 NAMTRAGRU DET, NAS Oceana, 66045

INSTRUCTOR BILLETS

USMC														
SGT	6465		0	0	0	1	0	1	0	1	0	1	0	1
ACDU														
AT1	6688	9502	0	0	0	3	0	3	0	3	0	3	0	3
TOTAL:			0	0	0	4	0	4	0	4	0	4	0	4

II.A.4. CHARGEABLE STUDENT BILLET REQUIREMENTS

ACTIVITY, LOCATION, UIC	USN/ USMC	PFYs OFF ENL	CFY99 OFF ENL	FY00 OFF ENL	FY01 OFF ENL	FY02 OFF ENL	FY03 OFF ENL
MTU 3010 NAMTRAGRU DET, NAS Oceana, 66045							
	USMC	0.0	1.8	1.8	1.8	1.8	1.8
	NAVY	0.0	6.1	5.0	5.0	5.0	5.0
MTU 1038 NAMTRAGRU DET, NAS Lemoore, 66060							
	USMC	1.6	1.6	1.6	1.6	1.6	1.6
	NAVY	7.9	8.3	8.1	8.3	8.1	7.9
SUMMARY TOTALS:							
	USMC	1.6	3.4	3.4	3.4	3.4	3.4
	NAVY	7.9	14.4	13.1	13.3	13.1	12.9
GRAND TOTALS:							
		9.5	17.8	16.5	16.7	16.5	16.3

II.A.5. ANNUAL INCREMENTAL AND CUMULATIVE BILLETS

DESIG/ RATING	PNEC/ PMOS	SNEC/ SMOS	BILLET BASE	CFY99 +/-	CUM	FY00 +/-	CUM	FY01 +/-	CUM	FY02 +/-	CUM	FY03 +/-	CUM
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a. OFFICER - USN

NA

b. ENLISTED - USN

Fleet Support Billets ACDU and TAR

AT1	6688		10	0	10	0	10	0	10	0	10	0	10
AT1	6689		35	0	35	1	36	0	36	-1	35	0	35
AT1	6689	9527	1	0	1	0	1	0	1	0	1	0	1
AT2	6688		39	8	47	0	47	0	47	1	48	0	48
AT2	6688	9526	1	0	1	0	1	0	1	0	1	0	1
AT2	6689		23	2	25	0	25	0	25	0	25	0	25
AT2	6689	9527	1	0	1	0	1	0	1	0	1	0	1
AT2	6689	9590	1	0	1	0	1	0	1	0	1	0	1
AT3	6688		61	0	61	0	61	1	62	0	62	0	62
AT3	6688	9526	4	0	4	0	4	0	4	0	4	0	4
AT3	6688	9527	1	0	1	0	1	0	1	0	1	0	1
ATAN	6688		12	0	12	0	12	0	12	-1	11	0	11

Staff Billets ACDU and TAR

AT1	6688	9502	6	0	6	0	6	0	6	0	6	0	6
AT1	6689	9502	3	0	3	0	3	0	3	0	3	0	3

Chargeable Student Billets ACDU and TAR

8	7	15	-2	13	0	13	0	13	0	13
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SELRES Billets

AT2	6688		1	0	1	0	1	0	1	0	1	0	1
-----	------	--	---	---	---	---	---	---	---	---	---	---	---

TOTAL USN ENLISTED BILLETS:

Fleet Support			189	10	199	1	200	1	201	-1	200	0	200
Staff			7	3	10	0	10	0	10	0	10	0	10
Chargeable Student			8	7	15	-2	13	0	13	0	13	0	13
SELRES			1	0	1	0	1	0	1	0	1	0	1

II.A.5. ANNUAL INCREMENTAL AND CUMULATIVE BILLETS

DESIG/ RATING	PNEC/ PMOS	SNEC/ SMOS	BILLET BASE	CFY99 +/-	CUM	FY00 +/-	CUM	FY01 +/-	CUM	FY02 +/-	CUM	FY03 +/-	CUM
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c. OFFICER - USMC NA

d. ENLISTED - USMC

Fleet Support Billets USMC and AR

CPL	6465		28	0	28	0	28	0	28	0	28	0	28
LCPL	6465		35	0	35	0	35	0	35	0	35	0	35
SGT	6465		13	0	13	0	13	0	13	0	13	0	13

Staff Billets USMC and AR

SGT	6465		0	1	1	0	1	0	1	0	1	0	1
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Chargeable Student Billets USMC and AR

			2	2	4	0	4	0	4	0	4	0	4
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TOTAL USMC ENLISTED BILLETS:

Fleet Support			76	0	76	0	76	0	76	0	76	0	76
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Staff			0	1	1	0	1	0	1	0	1	0	1
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Chargeable Student			2	2	4	0	4	0	4	0	4	0	4
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II.B. PERSONNEL REQUIREMENTS

II.B.1. ANNUAL TRAINING INPUT REQUIREMENTS

CIN, COURSE TITLE: D-198-6045, AN/USM-484 Hybrid Test Station Operation/Maintenance

COURSE LENGTH: 9.4 Weeks

TOUR LENGTH: 36 Months

ATTRITION FACTOR: Navy: 10% Marine: 0%

BACKOUT FACTOR: 0.19

TRAINING ACTIVITY	SOURCE	ACDU/TAR SELRES	CFY99 OFF ENL	FY00 OFF ENL	FY01 OFF ENL	FY02 OFF ENL	FY03 OFF ENL
MTU 3010 NAMTRAGRU DET, NAS Oceana							
	NAVY	ACDU	0	34	28	28	28
		TAR	0	2	2	2	2
		TOTAL:	0	46	40	40	40
	USMC	USMC	0	10	10	10	10

CIN, COURSE TITLE: E-198-6045, AN/USM-484 Hybrid Test Station Operation/Maintenance

COURSE LENGTH: 9.4 Weeks

TOUR LENGTH: 36 Months

ATTRITION FACTOR: Navy: 10% Marine: 0%

BACKOUT FACTOR: 0.19

TRAINING ACTIVITY	SOURCE	ACDU/TAR SELRES	CFY99 OFF ENL	FY00 OFF ENL	FY01 OFF ENL	FY02 OFF ENL	FY03 OFF ENL
MTU 1038 NAMTRAGRU DET, NAS Lemoore							
	NAVY	ACDU	23	23	24	23	23
		TAR	0	0	0	0	0
		SELRES	0	0	0	0	0
		TOTAL:	32	32	33	32	32
	USMC	USMC	7	7	7	7	7
		AR	2	2	2	2	2

CIN, COURSE TITLE: E-198-6050, AN/USM-484 Hybrid Test Station Advanced IMA Technician

COURSE LENGTH: 9.4 Weeks

TOUR LENGTH: 36 Months

ATTRITION FACTOR: Navy: 10%

BACKOUT FACTOR: 0.19

TRAINING ACTIVITY	SOURCE	ACDU/TAR SELRES	CFY99 OFF ENL	FY00 OFF ENL	FY01 OFF ENL	FY02 OFF ENL	FY03 OFF ENL
MTU 1038 NAMTRAGRU DET, NAS Lemoore							
	NAVY	ACDU	24	23	23	23	22
		TAR	2	2	2	2	2
		TOTAL:	26	25	25	25	24

PART III - TRAINING REQUIREMENTS

The following elements are not affected by the AN/USM-484 Hybrid Test System and, therefore, are not included in Part III of this NTSP:

III.A.1. Initial Training Requirements

III.A.2. Follow-on Training

III.A.2.c. Unique Courses

III.A.3. Existing Training Phased Out

III.A.2. FOLLOW-ON TRAINING

III.A.2.a. EXISTING COURSES

CIN, COURSE TITLE: E-198-6045, AN/USM-484 Hybrid Test Station Operation/Maintenance

TRAINING ACTIVITY: MTU 1038 NAMTRAGRU DET

LOCATION, UIC: NAS Lemoore, 66060

SOURCE: USMC **STUDENT CATEGORY:** USMC - AR

CFY99		FY00		FY01		FY02		FY03		
OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	
	9		9		9		9		9	ATIR
	9		9		9		9		9	Output
	1.6		1.6		1.6		1.6		1.6	AOB
	1.6		1.6		1.6		1.6		1.6	Chargeable

SOURCE: NAVY **STUDENT CATEGORY:** ACUDU - TAR

CFY99		FY00		FY01		FY02		FY03		
OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	
	23		23		24		23		23	ATIR
	21		21		22		21		21	Output
	3.9		3.9		4.1		3.9		3.9	AOB
	3.9		3.9		4.1		3.9		3.9	Chargeable

SOURCE: NAVY **STUDENT CATEGORY:** SELRES

CFY99		FY00		FY01		FY02		FY03		
OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	
	0		0		0		0		0	ATIR
	0		0		0		0		0	Output
	0.0		0.0		0.0		0.0		0.0	AOB
	0.0		0.0		0.0		0.0		0.0	Chargeable

CIN, COURSE TITLE: E-198-6050, AN/USM-484 Hybrid Test Station Advanced IMA Technician

TRAINING ACTIVITY: MTU 1038 NAMTRAGRU DET

LOCATION, UIC: NAS Lemoore, 66060

SOURCE: NAVY **STUDENT CATEGORY:** ACUDU - TAR

CFY99		FY00		FY01		FY02		FY03		
OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	
	26		25		25		25		24	ATIR
	23		23		23		23		22	Output
	4.4		4.2		4.2		4.2		4.0	AOB
	4.4		4.2		4.2		4.2		4.0	Chargeable

III.A.2.b. PLANNED COURSES

CIN, COURSE TITLE: D-198-6045, AN/USM-484 Hybrid Test Station Operation/Maintenance

TRAINING ACTIVITY: MTU 3010 NAMTRAGRU DET

LOCATION, UIC: NAS Oceana, 66045

SOURCE: USMC **STUDENT CATEGORY:** USMC - AR

CFY99		FY00		FY01		FY02		FY03		
OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	
	0		10		10		10		10	ATIR
	0		10		10		10		10	Output
	0		1.8		1.8		1.8		1.8	AOB
	0		1.8		1.8		1.8		1.8	Chargeable

SOURCE: NAVY **STUDENT CATEGORY:** ACDU - TAR

CFY99		FY00		FY01		FY02		FY03		
OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	
	0		36		30		30		30	ATIR
	0		22		27		27		27	Output
	0		6.1		5.0		5.0		5.0	AOB
	0		6.1		5.0		5.0		5.0	Chargeable

PART IV - TRAINING LOGISTICS SUPPORT REQUIREMENTS

The following elements are not affected by the AN/USM-484 Hybrid Test System and, therefore, are not included in Part IV of this NTSP:

IV.A.2. Training Devices

IV.B.1. Training Services

IV.C. Facility Requirements

IV.C.1. Facility Requirements Summary (Space / Support) by Activity

IV.C.2. Facility Requirements Detailed by Activity and Course

IV.C.3. Facility Project Summary by Program

IV.A. TRAINING HARDWARE

IV.A.1. TTE / GPTE / SPTE / ST / GPETE / SPETE

CIN, COURSE TITLE: C-198-3063, AN/USM-484 Hybrid Test Station (HTS) Operator/Maintainer Intermediate Maintenance (track D/E-198-6045)

TRAINING ACTIVITY: MTU 1038 NAMTRAGRU DET

LOCATION, UIC: NAS Lemoore, 66060

ITEM NUMBER	EQUIPMENT / TYPE OR RANGE OF REPAIR PARTS	QTY REQD	DATE REQD	GFE CFE	STATUS
GPETE					
001	Oscilloscope, AN/USM-425(V)1	1	Jul 85	GFE	Onboard
002	Multimeter, 77AN	1	Jul 85	GFE	Onboard
SPETE					
001	Operational Test Program Disk, OTPD 1501-003	1	Jan 84	GFE	Onboard
002	Master Test Program Set Index, MTPSI 0015500	1	Jan 84	GFE	Onboard
003	Operational Test Program Instruction, OTPI 1502-01	1	Jan 84	GFE	Onboard
ST					
001	Disk Drive Maintenance Set, A31U11907-1	1	Jul 93	GFE	Onboard
002	Maintenance Tool Set, A31U11908-1	1	Jul 85	GFE	Onboard
003	Detector Assembly, A51S31990-1	1	Jul 85	GFE	Onboard
TTE					
001	AN/USM-484 HTS	2	Jan 84	GFE	Onboard

TRAINING ACTIVITY: MTU 3010 NAMTRAGRU DET

LOCATION, UIC: NAS Oceana, 66045

ITEM NUMBER	EQUIPMENT / TYPE OR RANGE OF REPAIR PARTS	QTY REQD	DATE REQD	GFE CFE	STATUS
GPETE					
001	Oscilloscope, AN/USM-425(V)1	1	Oct 97	GFE	Onboard
002	Multimeter, 77AN	1	Oct 97	GFE	Onboard
SPETE					
001	Operational Test Program Disk, OTPD 1501-003	1	Oct 97	GFE	Onboard
002	Master Test Program Set Index, MTPSI 0015500	1	Oct 97	GFE	Onboard
003	Operational Test Program Instruction, OTPI 1502-01	1	Oct 97	GFE	Onboard

IV.A.1. TTE / GPTE / SPTE / ST / GPETE / SPETE

ITEM NUMBER	EQUIPMENT / TYPE OR RANGE OF REPAIR PARTS	QTY REQD	DATE REQD	GFE CFE	STATUS
ST					
001	Disk Drive Maintenance Set, A31U11907-1	1	Oct 97	GFE	Onboard
002	Maintenance Tool Set, A31U11908-1	1	Oct 97	GFE	Onboard
003	Detector Assembly, A51S31990-1	1	Oct 97	GFE	Onboard
TTE					
001	AN/USM-484 HTS	3	Jul 99	GFE	Pending

Note: The HTS units at MTU 1039 are scheduled to relocate to MTU 3010 in July 1999.

CIN, COURSE TITLE: C-198-3876, AN/USM-484 Hybrid Test Station (HTS) Advanced IMA Technician (track E-198-6050)

TRAINING ACTIVITY: MTU 1038 NAMTRAGRU DET

LOCATION, UIC: NAS Lemoore, 66060

ITEM NUMBER	EQUIPMENT / TYPE OR RANGE OF REPAIR PARTS	QTY REQD	DATE REQD	GFE CFE	STATUS
GPETE					
001	Oscilloscope, AN/USM-425(V)1	1	Jul 85	GFE	Onboard
002	Multimeter, 77AN	1	Jul 85	GFE	Onboard
SPETE					
001	Operational Test Program Disk, OTPD 1501-003	1	Apr 87	GFE	Onboard
002	Master Test Program Set Index, MTPSI 0015500	1	Apr 87	GFE	Onboard
003	Operational Test Program Instruction, OTPI 1502-01	1	Apr 87	GFE	Onboard
ST					
001	Disk Drive Maintenance Set, A31U11907-1	1	Jul 93	GFE	Onboard
002	Maintenance Tool Set, A31U11908-1	1	Jul 85	GFE	Onboard
003	Detector Assembly, A51S31990-1	1	Jul 85	GFE	Onboard
TTE					
001	AN/USM-484 HTS	1	Apr 87	GFE	Onboard

IV.B. COURSEWARE REQUIREMENTS

IV.B.2. CURRICULA MATERIALS AND TRAINING AIDS

CIN, COURSE TITLE: C-198-3063, AN/USM-484 Hybrid Test Station (HTS) Operator/Maintainer Intermediate Maintenance (track D/E-198-6045)

TRAINING ACTIVITY: MTU 1038 NAMTRAGRU DET

LOCATION, UIC: NAS Lemoore, 66060

TYPE OF MATERIAL OR AID	QTY REQD	DATE REQD	STATUS
35mm Slides	5 sets	Jan 84	Onboard
Curriculum Outlines	3	Jan 84	Onboard
Instructor Lesson Guides	5	Jan 84	Onboard
Student Evaluations	100	Jan 84	Onboard
Student Guides	100	Jan 84	Onboard

TRAINING ACTIVITY: MTU 3010 NAMTRAGRU DET

LOCATION, UIC: NAS Oceana, 66045

TYPE OF MATERIAL OR AID	QTY REQD	DATE REQD	STATUS
35mm Slides	5 sets	Oct 97	Onboard
Curriculum Outlines	3	Oct 97	Onboard
Instructor Lesson Guides	5	Oct 97	Onboard
Student Evaluations	100	Oct 97	Onboard
Student Guides	100	Oct 97	Onboard

CIN, COURSE TITLE: C-198-3876, AN/USM-484 Hybrid Test Station (HTS) Advanced IMA Technician (track E-198-6050)

TRAINING ACTIVITY: MTU 1038 NAMTRAGRU DET

LOCATION, UIC: NAS Lemoore, 66060

TYPE OF MATERIAL OR AID	QTY REQD	DATE REQD	STATUS
35mm Slides	5 sets	Apr 87	Onboard
Curriculum Outlines	3	Apr 87	Onboard
Instructor Lesson Guides	5	Apr 87	Onboard
Student Evaluations	100	Apr 87	Onboard
Student Guides	100	Apr 87	Onboard

IV.B.3. TECHNICAL MANUALS

CIN, COURSE TITLE: C-198-3063, AN/USM-484 Hybrid Test Station (HTS) Operator/Maintainer Intermediate Maintenance (track D/E-198-6045)

TRAINING ACTIVITY: MTU 1038 NAMTRAGRU DET

LOCATION, UIC: NAS Lemoore, 66060

TECHNICAL MANUAL NUMBER / TITLE	MEDIUM	QTY REQD	DATE REQD	STATUS
AT-826HO-GYD-000 Hybrid Test System Atlas Users Guide	Hard copy	7	Jul 85	Onboard
AT-826HO-IIN-000 Installation Instructions, Hybrid Test System	Hard copy	7	Jul 85	Onboard
AT-826HO-MCM-000 CP-1478/USM-484 Digital Computer, Operation and Intermediate Maintenance Instruction with IPB	Hard copy	7	Jul 85	Onboard
AT-826HO-MIB-000 Hybrid Test System Operation and Intermediate Maintenance Instruction with IPB	Hard copy	7	Jul 85	Onboard
AT-826HO-MIB-010 Interconnecting Switching Unit, Intermediate Maintenance Manual with IPB	Hard copy	7	Jul 85	Onboard
AT-826HO-MIB-050 Adapter Group Test of 713/U Operation and Intermediate Maintenance with IPB	Hard copy	7	Jul 85	Onboard
AT-826HO-MIB-060 Interconnection Device 10A1, Operation and Intermediate Maintenance Manual with IPB	Hard copy	7	Jul 85	Onboard
AT-826HO-MIB-100 Hybrid Test System AN/USM-484 Operation and Intermediate Maintenance with IPB	Hard copy	7	Jul 85	Onboard
AT-826HO-MRC-000 Preventive Maintenance Requirement Cards Technical Manual, AN/USM-484	Hard copy	7	Jul 85	Onboard

IV.B.3. TECHNICAL MANUALS

TRAINING ACTIVITY: MTU 3010 NAMTRAGRU DET
LOCATION, UIC: NAS Oceana, 66045

TECHNICAL MANUAL NUMBER / TITLE	MEDIUM	QTY REQD	DATE REQD	STATUS
AT-826HO-GYD-000 Hybrid Test System Atlas Users Guide	Hard copy	7	Oct 97	Onboard
AT-826HO-IIN-000 Installation Instructions, Hybrid Test System	Hard copy	7	Oct 97	Onboard
AT-826HO-MCM-000 CP-1478/USM-484 Digital Computer, Operation and Intermediate Maintenance Instruction with IPB	Hard copy	7	Oct 97	Onboard
AT-826HO-MIB-000 Hybrid Test System Operation and Intermediate Maintenance Instruction with IPB	Hard copy	7	Oct 97	Onboard
AT-826HO-MIB-010 Interconnecting Switching Unit, Intermediate Maintenance Manual with IPB	Hard copy	7	Oct 97	Onboard
AT-826HO-MIB-050 Adapter Group Test of 713/U Operation and Intermediate Maintenance with IPB	Hard copy	7	Oct 97	Onboard
AT-826HO-MIB-060 Interconnection Device 10A1, Operation and Intermediate Maintenance Manual with IPB	Hard copy	7	Oct 97	Onboard
AT-826HO-MIB-100 Hybrid Test System AN/USM-484 Operation and Intermediate Maintenance with IPB	Hard copy	7	Oct 97	Onboard
AT-826HO-MRC-000 Preventive Maintenance Requirement Cards Technical Manual, AN/USM-484	Hard copy	7	Oct 97	Onboard

CIN, COURSE TITLE: C-198-3876, AN/USM-484 Hybrid Test Station (HTS) Advanced IMA Technician (track E-198-6050)
TRAINING ACTIVITY: MTU 1038 NAMTRAGRU DET
LOCATION, UIC: NAS Lemoore, 66060

TECHNICAL MANUAL NUMBER / TITLE	MEDIUM	QTY REQD	DATE REQD	STATUS
AT-826HO-GYD-000 Hybrid Test System Atlas Users Guide	Hard copy	7	Apr 87	Onboard
AT-826HO-IIN-000 Installation Instructions, Hybrid Test System	Hard copy	7	Apr 87	Onboard

IV.B.3. TECHNICAL MANUALS

TECHNICAL MANUAL NUMBER / TITLE	MEDIUM	QTY REQD	DATE REQD	STATUS
AT-826HO-MCM-000 CP-1478/USM-484 Digital Computer, Operation and Intermediate Maintenance Instruction with IPB	Hard copy	7	Apr 87	Onboard
AT-826HO-MDB-040 Frequency Calibrator, TS-3939/USM-484 Operation and Depot Maintenance with IPB	Hard copy	7	Apr 87	Onboard
AT-826HO-MEB-020 Power Indicator-Control Operation, Intermediate and Depot Maintenance with IPB	Hard copy	7	Apr 87	Onboard
AT-826HO-MIB-000 Hybrid Test System Operation and Intermediate Maintenance Instruction with IPB	Hard copy	7	Apr 87	Onboard
AT-826HO-MIB-010 Interconnecting Switching Unit, Intermediate Maintenance Manual with IPB	Hard copy	7	Apr 87	Onboard
AT-826HO-MIB-050 Adapter Group Test of 713/U Operation and Intermediate Maintenance with IPB	Hard copy	7	Apr 87	Onboard
AT-826HO-MIB-060 Interconnection Device 10A1, Operation and Intermediate Maintenance Manual with IPB	Hard copy	7	Apr 87	Onboard
AT-826HO-MIB-100 Hybrid Test System AN/USM-484 Operation and Intermediate Maintenance with IPB	Hard copy	7	Apr 87	Onboard
AT-826HO-MIB-200 Documentation System Software	Hard copy	7	Apr 87	Onboard
AT-826HO-MRC-000 Preventive Maintenance Requirement Cards Technical Manual, AN/USM-484	Hard copy	7	Apr 87	Onboard

PART V - MPT MILESTONES

DATE	COG CODE	MPT MILESTONES	STATUS
Feb 80	DA	Awarded production contract	Completed
Sep 80	DA	Convened ILS Master Plan Conference	Completed
Nov 81	DA	Began analysis of manpower, personnel, and training requirements	Completed
Apr 82	DA	Began First Article Test (TECHEVAL Aug 1984)	Completed
Jan 83	OPO	Programmed manpower and training resource requirements	Completed
Apr 83	TSA	Awarded curriculum materials contract	Completed
Jun 83	BUPERS	Ordered instructor and support personnel	Completed
Jul 83	TSA	Began initial training	Completed
Jul 83	TSA	Began training services	Completed
Jan 84	DA	Fleet introduction of the AN/USM-484 HTS	Completed
Jan 84	TSA	Delivered and installed TTE	Completed
Jan 84	TSA	Delivered curricula materials	Completed
Jul 85	TSA	Began follow-on training	Completed
Oct 86	OPO	Allocated fleet, instructor, support, and student billets	Completed
Oct 86	OPO	Approved and promulgated NTP	Completed
Oct 86	OPO	Established HTS operator and maintenance NECs	Completed
Oct 86	OPO	Initiated OPNAV Form 1000/4A	Completed
Dec 86	BUPERS	Began ordering enlisted personnel	Completed
Dec 86	OPO	Distributed OPNAV Form 1000/2	Completed
Oct 87	DA	Achieved Material Support Date	Completed
Oct 89	DA	Achieved Navy Support Date	Completed
Apr 98	TSA	Distributed updated Draft NTSP for fleet comments	Completed
Apr 99	TSA	Distributed Approved NTSP	Completed
Oct 99	TSA	Begin training at MTU 3010	Pending
Sep 99	TSA	Cease training at MTU 1039	Pending

PART VI - ACTION ITEMS / ACTION REQUIRED

**ACTION ITEM OR
ACTION REQUIRED**

COMMAND ACTION

DUE DATE

STATUS

No action items pending.

PART VII - POINTS OF CONTACT

NAME / FUNCTION / ACTIVITY, CODE / INTERNET EMAIL	TELEPHONE NUMBERS
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